



SEF Week 10 Tutorial - Testing

Q1

Lulu.com allows for you to create a print version of a book. They also allow users who are registered with the service to post on their discussion board. Given the following screen shot, identify as many areas as you can that should be tested (the numbers 1333 & 5601 refer to the number of topics and posts, respectively).

You should be able to list at least 10 areas that need testing/evaluation/determination.

				vivi Anderson
	Cover Art For support issues regarding your item's cover art, see this forum. Moderators tinhom , Greg Banks , John Morris , Adam , Ignacio van Gelderen , Elmore	1333	5601	25 Sep 2008 08:29 p robert p brito
	Storefronts & Groups Want to know more about storefronts and groups or what you can do with them? Ask our community and share your ideas!	192	559	24 Sep 2008 11:15 p

There are several features that can be seen...

- Moderators (more than 1!)
- Topics & Posts (1333 & 5601)
- Date of most recent posting
- Who posted it

Tests to perform...

Can any user can post to the forum

Can a user start a new thread?

Can any one of the moderators allow a posting to be submitted.

Performance testing - how long does it take for an item that is moderated to appear?

Does the posting date accurately reflect the latest posting.

Does the posting date refer to the date of submission or the date of moderation?

Depending on the answer you could see earlier postings appearing after later postings.

Does the hyperlink for the moderators or the poster lead to the profile of that person?

Are the counts of the topics & postings accurate? Boundary conditions should apply so that it works when there are no threads & no postings, and when there is only one thread and lots of postings

Can you overflow the number of postings/threads count?

Q2

When you sell an item on eBay you need to go through a series of steps.
They are...

Registering with the site

Select "Start Selling now"

This then displays "List your item for sale", "Enter 3-5 words about your item".

Selecting a category for the item

Based on your previously filled out user details the site pre-fills in a number of the fields on the next page where you describe all of the conditions for sale and details of the item to be sold.

Once this has been filled out correctly you can select "continue" to review the listing as it will appear before finally submitting the item for auction.

At many points you can return to the start of the selling process, or you can "skip this step" for non essential areas.

a)

How many tests would you specify for this system? What tests would they be?

Testing for site registration

duplicate id, password insufficient, other details

Check that the "Start Selling now" link works

BTW "Enter 3-5 words" actually doesn't check that there are 3-5 words!

Produces an appropriate list of categories/ones that match the items

You should test that skip this step is only available for appropriate pages.

Test that the generation of the review page matches the final appearance of the site

Test that canceling the process works

b)

If you had a number of people in your testing team how would you divide the work amongst them?

Identify separate use cases, and for each use case any includes/alternative paths.

Different teams can work on each section.

Q3

Path Testing - Write a test harness that tests the following multiply method.

```
public static int multiply (int value1, int value2) {  
    int total = 0;  
  
    for (int i = 0; i < value2; i++) {  
        total = total + value1  
    }  
    return total;  
}
```

```
public static void main (String args[]) {  
    System.out.println (multiply (1,1)); // simple case  
    System.out.println (multiply (3,2)); // simple case  
    System.out.println (multiply (3,0)); // multiply by 0  
    System.out.println (multiply (0,3)); // multiply by 0  
    System.out.println (multiply (1,-1)); // multiply by a -ve  
    System.out.println (multiply (-1,1));  
    System.out.println (multiply (-1, -1));  
}
```